

Amendments to the claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claim 1 (currently amended): Hydrokinetic coupling apparatus, comprising:
a casing (30) having a transverse wall (3) coupled in rotation to a driving shaft[[,]];
a turbine wheel (12) mounted within the casing (30) and fixed to a hub (14) which is adapted to be coupled in rotation to a driven shaft[[,]];
a fixed first surface (1) on the transverse wall (3) of the casing (30) [[, and]] ;
a lock-up clutch interposed between said turbine wheel (12) and said transverse wall (3) and comprising a piston (4) carrying a second surface (2), which lies facing the first surface (1) for coupling the second surface (2) releasably to the transverse wall[[,]]; and
~~wherein~~ a friction means (60) [[acts]] acting between a face of the piston (4) opposite the second surface (2) and a radial plate (15) of the hub (14) situated in facing relationship thereto,
wherein the piston (4) is mounted to rotate relative to the hub (14) and is so configured as to carry the friction means (60).

Claim 2 (previously presented): Hydrokinetic coupling apparatus according to Claim 1, wherein one of the friction means (60) and the piston (4) has at least one projecting element (61, 166, 1066, 1466, 2066, 2067) engaged in a complementary hole (62, 66, 161,

164, 266, 1266, 2068) of the other one of the piston (4) and friction means (60).

Claim 3 (previously presented): Hydrokinetic coupling apparatus according to Claim 2, wherein the hole (62, 66, 161, 164, 266, 1266, 2068) is a blind hole.

Claim 4 (previously presented): Hydrokinetic coupling apparatus according to Claim 3, wherein the blind hole (62) is one of press-formed, formed by drilling partway through and by extrusion.

Claim 5 (previously presented): Hydrokinetic coupling apparatus according to Claim 2, wherein the hole (161) is a through hole.

Claim 6 (previously presented): Hydrokinetic coupling apparatus according to Claim 5, wherein the hole (66) has an oblong circumferential form.

Claim 7 (previously presented): Hydrokinetic coupling apparatus according to Claim 5, wherein the hole (164, 161) is cylindrical.

Claim 8 (withdrawn): Hydrokinetic coupling apparatus according to Claim 2, wherein rivet means (366, 666, 966, 1166) are interposed between the friction means (60) and the piston (4).

Claim 9 (withdrawn): Hydrokinetic coupling apparatus according to Claim 8, wherein the piston (4) carries at least one rivet (966, 1266) of the rivet means for fastening the friction means (60).

Claim 10 (withdrawn): Hydrokinetic coupling apparatus according to Claim 9, wherein the at least one rivet (666) is carried by the piston (4).

Claim 11 (withdrawn): Hydrokinetic coupling apparatus according to Claim 9, wherein the at least one rivet (966) is integral with the piston (4).

Claim 12 (withdrawn): Hydrokinetic coupling apparatus according to Claim 8, wherein a head of the rivet (366) is engaged in a housing in the friction means (60).

Claim 13 (previously presented): Hydrokinetic coupling apparatus according to Claim 7, wherein the friction means (60) is of synthetic material and comprises at least one body (261) engaged in the hole in the piston (4) and sealingly closing off said hole (161) after hot working.

Claim 14 (withdrawn): Hydrokinetic coupling apparatus according to Claim 11, wherein a rivet head (966) is engaged in a rebate (866) in the friction means (60) after deformation.

Claim 15 (withdrawn): Hydrokinetic coupling apparatus according to Claim 1, wherein the friction means (60) is formed by moulding over a projecting portion (1066, 1166) of the piston (4).

Claim 16 (previously presented): Hydrokinetic coupling apparatus according to Claim 2, wherein snap-fitting means (166, 1466, 161) are interposed between the piston (4) and the friction means (60).

Claim 17 (withdrawn): Hydrokinetic coupling apparatus according to Claim 16, wherein the piston (4) has a projecting portion (1066) with a bead (1166) engaged in a hole of the friction means (60).

Claim 18 (withdrawn): Hydrokinetic coupling apparatus according to Claim 17, wherein the friction means (60) includes a point engaged in a groove of a projecting portion (1066), having a terminal bead (1067), of the piston (4), and wherein the groove is delimited by the piston (4) and the bead (1067).

Claim 19 (previously presented): Hydrokinetic coupling apparatus according to Claim 16, wherein at least one resilient lug (1466) having claws is engaged in said hole in the piston (4).

Claim 20 (withdrawn): Hydrokinetic coupling apparatus according to Claim 2, wherein a seaming means (1066, 766) is interposed between the piston (4) and the friction

means (60).

Claim 21 (withdrawn): Hydrokinetic coupling apparatus according to Claim 18, wherein the piston (4) has a projecting portion (1066, 2066) which is deformed by plastic flow of material into contact with a surface of the friction means (60) facing away from the piston (4).

Claim 22 (withdrawn): Hydrokinetic coupling apparatus according to Claim 21, wherein the surface (766) is defined by a reduction in thickness.

Claim 23 (withdrawn): Hydrokinetic coupling apparatus according to Claim 22, wherein the friction means (60) consists of a ring.

Claim 24 (withdrawn): Hydrokinetic coupling apparatus according to Claim 23, wherein the friction means (60) consists of a plurality of annular sectors (160).

Claim 25 (withdrawn): Hydrokinetic coupling apparatus according to Claim 23, wherein the hub (14) has a radial plate (15) fixed to the turbine wheel (12), and in that the friction means (60) acts between the radial plate (15) and the piston (4).

Claim 26 (currently amended): Hydrokinetic coupling apparatus, comprising:
a casing (30) having a transverse wall (3) coupled in rotation to a driving shaft[[,]];

a turbine wheel (12) mounted within the casing (30) and fixed to a hub (14) which is adapted to be coupled in rotation to a driven shaft[[,]]; and

a fixed first surface (1) on the transverse wall (3) of the casing (30)[[,]]; and

a lock-up clutch interposed between said turbine wheel (12) and said transverse wall (3) and comprising a piston (4) carrying a second surface (2), which lies facing the first surface (1) for coupling the second surface (2) releasably to the transverse wall (3), the piston (4) being mounted to rotate relative to the hub (14);

wherein the turbine wheel (12) includes an annular ring (13) which is fixed to the hub (14) by means of at least one rivet (59), and

wherein a friction means (60) acts between the hub (14) and the piston (4), and wherein the friction means (60) is carried by said at least one rivet (59).

Claim 27 (withdrawn): Hydrokinetic coupling apparatus according to Claim 26, wherein at least one rivet (59) has a head projecting towards the piston (4) and having a thickened portion (159, 259) for fastening the friction means (60).

Claim 28 (withdrawn): Hydrokinetic coupling apparatus according to Claim 27, wherein the thickened portion (159, 259) is at the free end of the head.

Claim 29 (withdrawn): Hydrokinetic coupling apparatus according to Claim 28, wherein the thickened portion (159) is of constant width.

Claim 30 (withdrawn): Hydrokinetic coupling apparatus according to Claim 29, wherein the thickened portion (259) is joined to the free end of the head through a portion of penetrating form.

Claim 31 (withdrawn): Hydrokinetic coupling apparatus according to Claim 30, wherein the friction means (60) is moulded in place on the head.

Claim 32 (withdrawn): Hydrokinetic coupling apparatus according to Claim 31, wherein the friction means (60) is snap-fitted on the thickened portion (159, 259).

Claim 33 (withdrawn): Hydrokinetic coupling apparatus according to Claim 32, wherein the friction means (60) has a blind cavity (359) open towards the hub (14) for accommodating the thickened portion (159, 259).

Claim 34 (withdrawn): Hydrokinetic coupling apparatus according to Claim 33, wherein the cavity (359) is delimited by L-shaped lugs (459) which are elastically deformable transversely and which are adapted to come into engagement with the face of the thickened portion facing away from the piston (4).

Claim 35 (withdrawn): Hydrokinetic coupling apparatus according to Claim 30, wherein the friction means (60) is mounted on the thickened portion (159, 259) by a fitting whereby one member at least partially passes into another member.

Claim 36 (withdrawn): Hydrokinetic coupling apparatus according to Claim 30, wherein the friction means (60) has, firstly, a cavity (360) open axially away from the piston (4) and being of oblong form circumferentially, for receiving the thickened portion (159), and secondly, an axially oriented passage (363) open on the side of the piston (4), and in that the passage is so dimensioned as to enable the thickened portion to penetrate into the cavity before being riveted on the hub.

Claim 37 (withdrawn): Hydrokinetic coupling apparatus according to Claim 36, wherein the cavity (360) includes at least one hole (362) through which riveting is carried out.

Claim 38 (withdrawn): Hydrokinetic coupling apparatus according to Claim 38, wherein the piston (4) surrounds the axially oriented annular portion (16) of the hub (14) with a radial clearance.

Claim 39 (withdrawn): Hydrokinetic coupling apparatus according to Claim 38, wherein the piston (4) is coupled to the casing (30) by axially elastic tongues (23), and wherein the tongues (23) are radially outside the second surface (2).

Claim 40 (withdrawn): Hydrokinetic coupling apparatus according to Claim 39, wherein the friction means (60) has at least one passage (400) between its inner and outer peripheries to permit passage of a fluid.

Claim 41 (withdrawn): Hydrokinetic coupling apparatus according to Claim 40, wherein the friction means (60) consists of a ring having, in at least one of its faces, a passage extending from its inner periphery to its outer periphery.

Claim 42 (withdrawn): Hydrokinetic coupling apparatus according to Claim 41, wherein the piston (4) is coupled to the casing (30) by axially elastic tongues (23), and wherein the tongues (23) lie facing the second surface.

Claim 43 (withdrawn): Hydrokinetic coupling apparatus according to Claim 42, wherein the friction means (60) comprise a plurality of friction elements.

Claim 44 (withdrawn): Hydrokinetic coupling apparatus according to Claim 43, wherein the friction means (60) is mounted with an axial clearance with respect to the thickened portion (159), and wherein the friction means (60) is in direct engagement on one of the turbine hub and the turbine wheel (12).